

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q92604

Tatiana A. EGOROVA-ZACHERNYUK

Appln. No.: 10/564,012

Group Art Unit: 1651

Confirmation No.: 3752

Examiner: Lora Elizabeth BARNHART

Filed: August 11, 2006

For: COMPOSITIONS AND METHODS FOR STABLE ISOTOPE LABELLING OF BIOLOGICAL COMPOUNDS

**SUBMISSION OF REFERENCES CITED IN INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

It is noted that these references were cited on the Information Disclosure Statement filed on January 10, 2006. While it is believed that the PTO should have received the listed documents from the International Bureau, one copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

**1. "A Practical Method for Uniform Isotopic Labeling of Recombinant Proteins in Mammalian Cells" Biochemistry, Vol., 31, No. 51, 1992, Pages 19713-12713  
XP002264470; Hansen, et al.**

**2. "Expression of Human Chorionic Gonadotropin Uniformly Labeled With NMR Isotopes in Chinese Hamster Ovary Cells: An Advance Toward Rapid Determination of Glycoprotein Structures." Journal of Biomolecular NMR, June 1996, Vol. 7, No. 4, Pages 295-304; Lustbader, et al.**

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**3. "Structures of the M2 Channel-Lining Segments From Nicotinic Acetylcholine and NMDA Receptors by NMR Spectroscopy", *Nature Structural Biology*, Vol. 6, No. 4, April 1999, pages 374-379; Opella, et al.**

**4. "Transforming Growth Factor Beta-1: NMR Signal Assignments of the Recombinant Protein Expressed and Isotropically Enriched Using Chinese Hamster Ovary Cells"; *Biochemistry, American Chemical Society, Easton, PA, US*, Vol. 32, No. 4, 1993, pages 1152-1163; Archer, et al.**

**5. "Composition and Phase Behaviour of Polar Lipids Isolated From Spirulina Maxima Cells Grown in a Perdeuterated Medium", *Biochimica et Biophysica ACTA*, Vol. 1284, No. 2, 1996, pages 196-202; Tropis Mirielle, et al.**

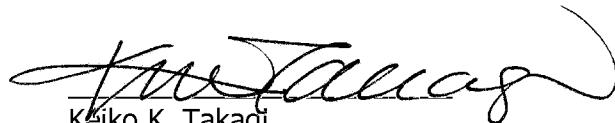
**6. "Heteronuclear 2D-Correlations In a Uniformly [<sup>13</sup>C, <sup>15</sup>N] Labeled Membrane-Protein Complex At Ultra-High Magnetic Fields"; *Journal of Biomolecular NMR*, Vol. 19, No. 3, March 2001;, pages 243-253; Egorova-Zachernyuk, et al.**

**7. "Production of Large Quantities of Isotopically Labeled Protein In *Pichia Pastoris* By Fermentation", *Journal of Biomolecular NMR*, Vol. 13, No. 2, February 1999, pages 149-159; Wood, et al.**

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

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